Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/22/2019 11:07 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124598	-1	1.45	124655	1.45
Blue	F	SSC	125000	123579	-2	2.61	124469	2.60
Blue	E	FITC	16694	16482	-2	3.25	383	22.09
Blue	D	PE	32792	32294	-2	2.36	712	15.64
Blue	B	PerCP-Cy5-5	44451	44685	0	4.33	1220	22.64
Blue	A	PE-Cy7	33645	34529	2	6.86	625	48.83
Red	C	APC	47008	46790	-1	2.83	1810	13.28
Red	A	APC-Cy7	32298	31844	-2	2.72	797	14.16
Violet	B	V450	8961	8747	-3	4.28	482	14.30
Violet	A	V500	32726	32103	-2	3.88	772	10.90

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20471	3.47	608	-5	N/A	N/A	Pass
Blue	F	SSC	56114	1.93	577	9	N/A	N/A	Pass
Blue	E	FITC	64	68.96	565	2	0.0145	69	Pass
Blue	D	PE	142	56.18	568	2	0.1508	332	Pass
Blue	B	PerCP-Cy5-5	227	55.97	673	2	0.0077	80	Pass
Blue	A	PE-Cy7	121	120.80	730	4	0.0086	22	Pass
Red	C	APC	413	29.04	614	1	0.0197	185	Pass
Red	A	APC-Cy7	196	31.51	585	0	0.0044	818	Pass
Violet	B	V450	70	69.35	480	-6	0.0438	2120	Pass
Violet	A	V500	109	35.52	490	-6	0.0197	600	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.24	-31.99	1.14
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.50
Red	16.08	13.60 - 20.40	N/A	N/A	29.33	29.59	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 11129

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments